Table 4 shows the percentages of infants with selected maternal and perinatal characteristics who were born with congenital anomalies (ICD-9 740-759). Of all infants whose mothers were less than 18 years of age in 1990, 8.4 percent were born with major and/or minor congenital anomalies. A higher percentage of male infants than females were born with birth defects for all

three years. The frequency of reported congenital malformations among nonwhites was twice that of whites throughout the period. Most, but not all, of the difference in the prevalence of congenital malformations between whites and nonwhites is due to a disproportionate number of minor malformations being reported among blacks.

Table 4

Percentage of Births with One or More Congenital
Anomalies* by Selected Maternal and Perinatal Characteristics
North Carolina, 1988-90

Age of Mother Less than 18 years 18-34 years 4.4 5.6 6.0 35 years and over 4.3 5.6 6.3 Gender of Child Male Female 4.1 5.2 5.6 Race White Nonwhite 3.3 4.3 4.5 Nonwhite T.1 8.7 9.8 Education of Mother Less than 9 years 6.0 7.0 8.1 9-11 years 6.1 6.9 7.7 12 years 4.6 6.0 6.3 More than 12 years 4.6 6.0 6.3 More than 12 years 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes No 4.3 5.4 5.9 Medical Risk Factors Yes No 4.8 6.0 6.5 Smoked During Pregnancy Yes No 4.8 6.0 6.5 C-Section Yes Smoked 5.4 6.7 7.4 No 4.3 5.4 6.7 C-Section Yes Smoked 5.4 6.7 No 4.3 5.4 6.7 7.4 No 5.8	Maternal and Perinatal Characteristics		Percentage of Births With a Congenital Anomaly		
18-34 years 3.4 5.6 6.0 35 years and over 4.3 5.6 6.3 Gender of Child Male 5.0 6.2 6.7 Female 4.1 5.2 5.6 Race White 3.3 4.3 4.5 Nonwhite 7.1 8.7 9.8 Education of Mother Less than 9 years 6.0 7.0 8.1 9-11 years 6.1 6.9 7.7 12 years 4.6 6.0 6.3 More than 12 years 3.4 4.5 5.1 Birthweight Less than 1,500 grams 13.0 18.4 21.1 1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 C-Section Yes 5.4 6.7 7.4 C-Section Yes 7.7 C-Section Yes 7.7			1988	1989	199 0
18-34 years 4.4 5.6 6.0 35 years and over 4.3 5.6 6.3 Gender of Child Male 5.0 6.2 6.7 Female 4.1 5.2 5.6 Race White 3.3 4.3 4.5 Nonwhite 7.1 8.7 9.8 Education of Mother Less than 9 years 6.0 7.0 8.1 9-11 years 6.1 6.9 7.7 12 years 4.6 6.0 6.3 More than 12 years 3.4 4.5 5.1 Birthweight Less than 1,500 grams 13.0 18.4 21.1 1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 <t< td=""><td>Age of Mother</td><td>Less than 18 years</td><td></td><td></td><td></td></t<>	Age of Mother	Less than 18 years			
Gender of Child Male Female 5.0 6.2 6.7 Female 4.1 5.2 5.6 Race White 3.3 4.3 4.5 Nonwhite 7.1 8.7 9.8 Education of Mother Less than 9 years 6.0 7.0 8.1 9-11 years 6.1 6.9 7.7 12 years 4.6 6.0 6.3 More than 12 years 3.4 4.5 5.1 Birthweight Less than 1,500 grams 13.0 18.4 21.1 1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 6.1 C-Section Yes 5.4 6.7 7.4					
Female 4.1 5.2 5.6 Race White 3.3 4.3 4.5 Nonwhite 7.1 8.7 9.8 Education of Mother Less than 9 years 6.0 7.0 8.1 9-11 years 6.1 6.9 7.7 12 years 4.6 6.0 6.3 More than 12 years 3.4 4.5 5.1 Birthweight Less than 1,500 grams 13.0 18.4 21.1 1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4		35 years and over	4.3	5.6	6.3
Race White Nonwhite 3.3 4.3 4.5 9.8 Education of Mother Less than 9 years 6.0 7.0 8.1 9.11 years 6.1 6.9 7.7 12 years 4.6 6.0 6.3 More than 12 years 3.4 4.5 5.1 Eirthweight Less than 1,500 grams 13.0 18.4 21.1 1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 6.1 C-Section Yes 5.4 6.7 7.4	Gender of Child	Male	5.0		
Nonwhite 7.1 8.7 9.8 Education of Mother Less than 9 years 6.0 7.0 8.1 9-11 years 6.1 6.9 7.7 12 years 4.6 6.0 6.3 More than 12 years 3.4 4.5 5.1 Birthweight Less than 1,500 grams 13.0 18.4 21.1 1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4		Female	4.1	5.2	5.6
Nonwhite 7.1 8.7 9.8	Race	White			
9-11 years 4.6 6.0 6.3 More than 12 years 4.6 6.0 6.3 More than 12 years 3.4 4.5 5.1 Birthweight Less than 1,500 grams 13.0 18.4 21.1 1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4		Nonwhite	7.1	8.7	9.8
9-11 years	Education of Mother	Less than 9 years	6.0		
12 years					
Birthweight Less than 1,500 grams 13.0 18.4 21.1 1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4					
1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4		More than 12 years	3.4	4.5	5.1
1,500-2,499 grams 7.7 10.3 10.8 2,500 grams and over 4.2 5.1 5.6 Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4	Birthweight	Less than 1,500 grams			
Infant Death Yes 27.0 29.2 29.0 No 4.3 5.4 5.9 Medical Risk Factors Yes 5.6 7.0 7.7 No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4	· ·	1,500-2,499 grams			
Medical Risk Factors Yes No 5.6 7.0 7.7 Smoked During Pregnancy Yes No 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4		2,500 grams and over	4.2	5.1	5.6
Medical Risk Factors Yes No 5.6 7.0 7.7 Smoked During Pregnancy Yes No 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4	Infant Death	Yes			
No 4.2 5.3 5.7 Smoked During Pregnancy Yes 4.8 6.0 6.5 No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4		No	4.3	5.4	5.9
Smoked During Pregnancy Yes No 4.8 6.0 6.5 6.1 C-Section Yes 5.4 6.7 7.4	Medical Risk Factors	Yes			
No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4		No	4.2	5.3	5.7
No 4.6 5.6 6.1 C-Section Yes 5.4 6.7 7.4	Smoked During Pregnancy	Yes			
Coccaon	5 5 7	No	4.6	5.6	6.1
No 4.3 5.4 5.8	C-Section	Yes			
		No	4.3	5.4	5.8